HYPERTEC

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SSD

1.8 128GB SSD

Description

Hypertec's 1.8" PATA SSD (solid state drive) is a non-volatile, solid state data storage disk. Given the advantages of lower power consumption, greater ruggedness, higher MTBF and other attracting features, SSD is gradually becoming the mainstream to replace conventional HDD (hard disk drive). Due to lack of any mechanical components, SSD provides a more robust and cost effective storage solution for any embedded application. Since SSD is implemented with a standard ATA interface that is fully compatible with traditional HDD, designers will find SSD as an easy solution for integration in PC-based systems.

FEATURES

Standard 40-pin 1.8" form factor
Standard ATA/IDE Bus Interface
• 512 Bytes / Sector
• ATA command set compatible
Capacity
• MLC: 128GB
Data Transfer mode
• Support Data Transfer up to PIO mode 4
• Support Data Transfer up to Multiword DMA mode 2
• Support Data Transfer up to Ultra DMA mode 6
Temperature Ranges
• Commercial Temperature
00C to 700C for operating
-250C to 850C for storage
• Extensive Temperature
400C to 850C for operating
-400C to 850C for storage
Operating Voltage
• 3.3V
Intelligent ATA/IDE Module
• Built-in embedded flash file system
• Implemented with both dynamic and static wear-leveling algorithms to increase endurance of flash media
• Strong ECC hardware design, correcting up to 48-bit random error per 2K byte
RoHS Compliance

Enhancements to help you achieve maximum performance & comfort from all your IT systems.

Hypertec Ltd
t: 0870 243 5603
f: 0870 243 5604
e: info@hypertec.co.uk
w: www.hypertec.co.uk